

Patent Abstracts of Japan

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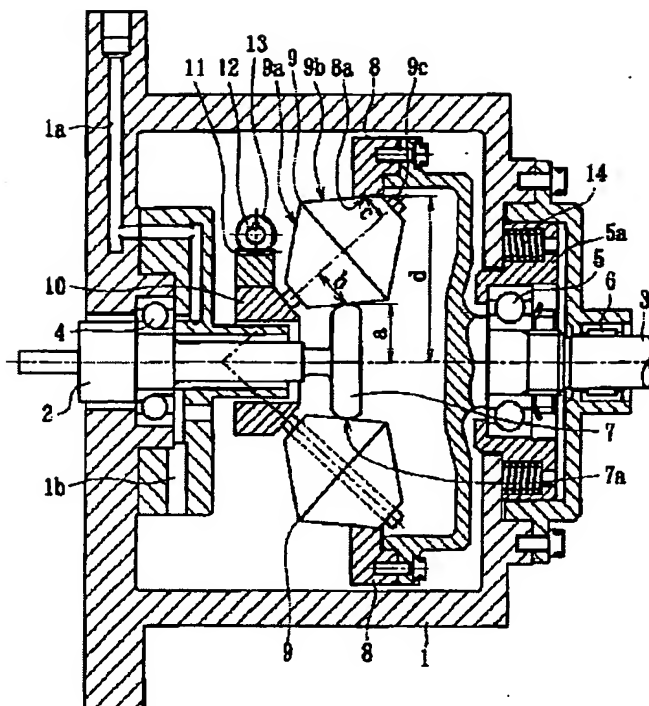
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TITLE : FRICTION TYPE CONTINUOUSLY
VARIABLE TRANSMISSION



ABSTRACT : PROBLEM TO BE SOLVED: To extend a rolling fatigue life by improving smoothness of power transmission surface as a contact part of double cones 9 with a sun roller 7 and an outer ring 8 of a cone type CVT.

SOLUTION: In this friction type continuously variable transmission continuously changing speed by moving a carrier 10 in an axial direction of input and output shafts 2, 3 by speed changing mechanism 11, 12, 13 and displacing a contact part of double cones 9 with the sun roller 7 and the outer ring 8, surface roughness of the power transmission surface transmitting power between the double cones 9 and the sun roller 7 or the outer ring 8 is set to 0.11 μm or less in RMS surface roughness indication.

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